

Attorney Docket No.: 1046.P001USC1

10/771,550

WHAT IS CLAIMED IS:

1. (Currently Amended) A pendulum mount to support a display screen, comprising:

a ceiling mount, wherein cables run within the ceiling mount;

a support arm mechanically coupled to the ceiling mount with a first joint, wherein the first joint is operable to rotate about the ceiling mount in a first (x, y) plane and reposition the support arm at an angle to the first (x, y) plane, wherein the cables exit the ceiling mount and enter the support arm at the first joint, and wherein the cables run within the support arm;

a mounting assembly to support the display screen, mechanically coupled to the support arm with a second joint, wherein the second joint is operable to be repositioned independently of the first joint, rotate about the display screen in a second (x, y) plane about the mounting assembly, and reposition the display screen at an angle in a (y, z) plane relative to the support arm, wherein the cables exit the support arm and enter the support arm at the second joint, and wherein the cables run within the mounting assembly and operably couple to the display screen.

2. (Original) The pendulum mount of Claim 1, wherein the ceiling mount further comprises:

a conduit; and

a base mechanically coupled to the conduit wherein the base mechanically couples to the ceiling, wherein the conduit is operable to rotate +/- 360° relative to the base.

3. (Original) The pendulum mount of Claim 1, wherein tension between the support arm and the ceiling mount prevent the support arm from resting in a neutral position.

4. (Original) The pendulum mount of Claim 1, wherein the tension between the support arm and the ceiling mount is exerted by a gas tension spring.

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5. (Original) The pendulum mount of Claim 1, wherein the tension between the support arm and the ceiling mount is exerted by a friction hinge.

6. (Original) The pendulum mount of Claim 1, wherein the mounting assembly further comprises:

a second conduit; and

a rotator mechanically coupled to the second conduit wherein the rotator mechanically couples to the display screen, wherein the second conduit is operable to rotate +/- 360° relative to the rotator.

7. (Original) The pendulum mount of Claim 1, wherein tension between the support arm and the mounting assembly prevent the display screen from resting in a neutral position.

8. (Original) The pendulum mount of Claim 1, wherein the cable travels along a channel in the first joint between the ceiling mount and the support arm.

9. (Original) The pendulum mount of Claim 1, wherein the cable travels along a channel in the second joint between the mounting assembly and the support arm.

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10. (Currently Amended) A pendulum mount to support a display screen, comprising:

a ceiling mount, further comprising:

a conduit; and

a base mechanically coupled to the conduit wherein the base mechanically couples to the ceiling, wherein the conduit is operable to rotate +/- 360° relative to the base, and wherein cables run within the conduit;

a support arm mechanically coupled to the ceiling mount with a first joint, wherein the first joint is operable to rotate about the ceiling mount in a first (x, y) plane and reposition the support arm at an angle to the first (x, y) plane, wherein the cables exit the ceiling mount and enter the support arm at the first joint, and wherein the cables run within the support arm, and wherein tension between the support arm and the ceiling mount prevent the support arm from resting in a neutral position;

a mounting assembly to support the display screen, mechanically coupled to the support arm with a second joint, wherein the second joint is operable to be repositioned independently of the first joint, rotate about the display screen in a second (x, y) plane about the mounting assembly, and reposition the display screen at an angle in a (y, z) plane relative to the support arm, wherein the cables exit the support arm and enter the support arm at the second joint, wherein the cables run within the mounting assembly and operably couple to the display screen, and wherein the mounting assembly further comprises:

a second conduit; and

a rotator mechanically coupled to the second conduit wherein the rotator mechanically couples to the display screen, wherein the second conduit is operable to rotate +/- 360° within the second (x, y) plane relative to the rotator.

11. (Original) The pendulum mount of Claim 10, wherein the tension between the support arm and the ceiling mount is exerted by a gas tension spring.

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12. (Original) The pendulum mount of Claim 10, wherein the tension between the support arm and the ceiling mount is exerted by a friction hinge.

13. (Original) The pendulum mount of Claim 10, wherein tension between the support arm and the mounting assembly prevent the display screen from resting in a neutral position.

14. (Original) The pendulum mount of Claim 10, wherein the cable travels along a channel in the first joint between the ceiling mount and the support arm.

15. (Original) The pendulum mount of Claim 10, wherein the cable travels along a channel in the second joint between the mounting assembly and the support arm.

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16. (Currently Amended) A pendulum mount to support a display screen for a dental patient, comprising:

a ceiling mount, further comprising:

a conduit; and

a base mechanically coupled to the conduit wherein the base mechanically couples to the ceiling, wherein the conduit is operable to rotate +/- 360° relative to the base, and wherein cables run within the conduit;

a support arm mechanically coupled to the ceiling mount with a first joint, wherein the first joint is operable to rotate about the ceiling mount in a first (x, y) plane and reposition the support arm at an angle to the first (x, y) plane, wherein the cables exit the ceiling mount and enter the support arm at the first joint, and wherein the cables run within the support arm, and wherein tension between the support arm and the ceiling mount prevent the support arm from resting in a neutral position;

a mounting assembly to support the display screen for the dental patient, mechanically coupled to the support arm with a second joint, wherein the cables exit the support arm and enter the support arm at the second joint, wherein the second joint is operable to be repositioned independently of the first joint, rotate about the display screen in a second (x, y) plane about the mounting assembly, and reposition the display screen at an angle in a (y, z) plane relative to the support arm, wherein the cables run within the mounting assembly and operably couple to the display screen, and wherein the mounting assembly further comprises:

a second conduit; and

a rotator mechanically coupled to the second conduit wherein the rotator mechanically couples to the display screen, wherein the second conduit is operable to rotate +/- 360° within the second (x, y) plane relative to the rotator.

17. (Original) The pendulum mount of Claim 16, wherein the display screen is operable to be oriented for the dental patient in a reclined position.

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18. (Original) The pendulum mount of Claim 16, wherein the tension between the support arm and the ceiling mount is exerted by a gas tension spring.

19. (Original) The pendulum mount of Claim 16, wherein the tension between the support arm and the ceiling mount is exerted by a friction hinge.

20. (Original) The pendulum mount of Claim 16, wherein the cable travels along a channel in the first joint between the ceiling mount and the support arm.

21. (Original) The pendulum mount of Claim 16, wherein the cable travels along a channel in the second joint between the mounting assembly and the support arm.

22. (Withdrawn) A hinged joint to conceal cables running within the hinged joint that comprises:

a first hinge assembly having a first internal cavity;

a second hinge assembly having a second internal cavity, wherein the first hinge assembly and the second hinge assembly are mechanically coupled, and wherein the first internal cavity and second internal cavity allow the cables to be concealed.